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PATENT APPLICATION  
Attorney Docket: 678-726 (P9926)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): YOON, Jae-Seung et al.

Examiner: NGUYEN, David Q.

Serial No.: 09/931,129

Group Art Unit: 2681

Filed: August 16, 2001

For: **ANTENNA ARRAY APPARATUS AND BEAMFORMING METHOD USING GPS  
SIGNAL FOR BASE STATION IN MOBILE TELECOMMUNICATION SYSTEM**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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AUG 31 2004

Technology Center 2600

AMENDMENT TRANSMITTAL FORM

Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small entity status of this application under 37 C.F.R. §§1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A verified statement to establish small entity under 37 C.F.R. §§1.9 and 1.27 is enclosed.
- ☒ No additional fee is required.

For	Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate (Small Entity)	Addit. Fee	Rate	Addit. Fee
TOTAL CLAIMS*	11	20	0	x 9 =	\$0	x 18 =	\$0
INDEPENDENT CLAIMS	8	8	0	x 43 =	\$0	x 86 =	\$0
<input type="checkbox"/> First Presentation of Multiple Dep. Claim				145		290	\$0

\* If the entry in Col. 1 is less than entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20".

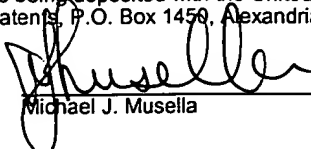
\*\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

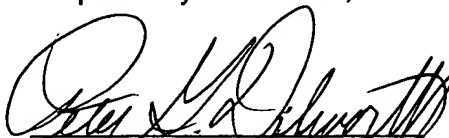
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 25, 2004

  
Michael J. Musella

- ☐ Please charge Deposit Account No. 04-1121 in the amount of \$\_\_\_\_. Two (2) copies of this sheet are enclosed.
- ☐ A check in the amount of \$\_\_\_\_ is enclosed.
- ☒ Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §§1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. A DUPLICATE OF THIS SHEET IS ENCLOSED.

Respectfully submitted,



Peter G. Dilworth  
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Attorney Docket No.: 678-726 (P9926)

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APPLICANT(S): YOON, Jae-Seung et al. GROUP ART UNIT: 2681  
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FILING DATE: August 16, 2001 DATED: August 25, 2004

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**RESPONSE**

Sir:

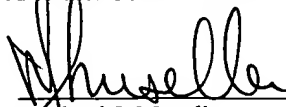
In response to the Office Action of the United States Patent and Trademark Office dated May 25, 2004, please consider the following amendments and remarks.

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8 (a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 25, 2004.

Dated: August 25, 2004

  
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Michael J. Musella